



# Montana Wing Observer



## Everyday Heroes!

Cadets and Senior members from Malmstrom Cadet Squadron braved the cold to work side by side with Capt Tom Burton of Skyhawks Senior Squadron and State Director Joe Macklin. The crew cleaned up along their adopted mile of Highway 89 at the outskirts of Great Falls, MT. Pictured above is just some of the trash they picked up during the early morning Nov. 5 service project.



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## FORMER MALMSTROM CADET COMMANDER FINISHES TRAINING

FORT BENNING, GA Former Cadet Commander Parker Smith graduated Army Basic/Advanced Individual Training and will next attend Javelin School. Now a CAP Senior Member, the former Cadet Captain graduated from Great Falls Central Catholic High School in 2004 and attended University of North Dakota at Grand Forks for one year, during which time he participated in Army ROTC. In June of 2005, SM Smith enlisted in the United States Army, graduating Basic and Advanced Individual Training on October 14. After completing the Fort Benning Javelin School, he will be assigned to the 25th Infantry Division known as "Tropic Lightning".  
**Reported by 2nd Lt. Rita Reck, PAO, Malmstrom Cadet Squadron**



A selection of Arizona State University' "Mars Bound" aerospace education materials.

## BEARTOOTH COMPOSITE MEMBERS HELP BOY SCOUT TROOP EARN ROCKETRY BADGES

BILLINGS Beartooth Composite Squadron members joined forces with Black Otter District Troop #17 (Shepherd, MT) Boy Scouts to plan a robotic mission to the Red Planet. The joint workshop fulfilled CAP Rocketry Program Phase I requirements for Cadet James V. Cracraft (photo), and nine Boy Scouts earned the Space Merit Badge. Beartooth Composite Squadron senior members 2nd Lt. Margaret Schmidt, 2nd Lt. Jeremiah Goll, and Maj. Steven Heffel worked with Gary Frasier of Big Sky Rocketry Association to organize and instruct the Oct. 22 event, which was also supervised by Clair Walker and Black Otter District Manager Steve Burnbaum. The team combined program elements from CAP's Aerospace Education Excellence (AEX) program and Arizona State University's "Mars Bound" program. ASU's Mars Bound program materials were on loan to Beartooth Composite Squadron free of charge for educational purposes and to promote awareness and understanding of NASA's Mars Exploration Program. Earlier this year, squadron aerospace education officer Maj. Steven Heffel attended an ASU aerospace education workshop at the Billings campus of Montana State University.

**Submitted by  
Maj Steven Heffel, PAO,  
Beartooth Composite Squadron**



Cadet James V. Cracraft completed CAP Rocketry Program Phase I





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## MALMSTROM CADET SQUADRON TOURS MONTANA AIR NATIONAL GUARD

## AEROSPACE EDUCATION NEWS

FROM MAJ KAYE EBELT

MONTANA WING DIRECTOR OF AEROSPACE EDUCATION

Check out "The Latest News" at [www.cap.gov/ae](http://www.cap.gov/ae)

\* Reminder: The 2005 Back to School Recruiting Campaign ends Nov. 30!! Recruit new members and win prizes!!

\* NCASE 2006 registration is now on-line at the website: [www.ncase.info](http://www.ncase.info) . Watch for exciting NCASE details and keep checking for promotions and events.

\* The Aerospace Education Foundation (AEF) is offering a grant program for educators in grades K-12 in addition to our regular CAP grants. Go to [www.aef.org/aid/educator.asp](http://www.aef.org/aid/educator.asp) to read guidelines and download the application. Deadline is November 15, so apply today! If you need assistance contact Jeff Montgomery at [jmontgomery@cap.gov](mailto:jmontgomery@cap.gov)

\* New 2006 AEX educator and unit brochures now on-line.

\* Team Rocketry Challenge applications are now available. For more information about the world's largest rocket contest, go to [www.rocketcontest.org](http://www.rocketcontest.org)

\* October NASA television schedule

\* Fly A Teacher begins its third year. Join in the excitement today! Contact Claudine at [Claudine.Sayegh@andrews.af.mil](mailto:Claudine.Sayegh@andrews.af.mil) for details on this year's program.

### Other items of interest:

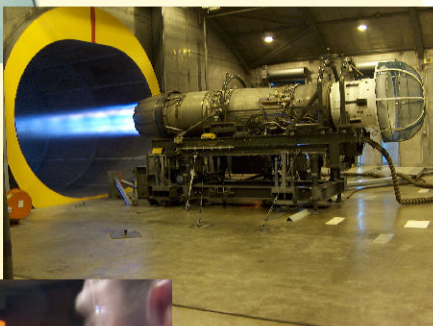
\* **Special Opportunity: Student Experiment Module (SEM) Satchel integration week at Kennedy Space Center.** The SEM Satchel carrier provides the opportunity to place student developed experiments in the environment of the ISS. Students place different types of materials in NASA provided vials to conduct a "fly and compare" type of investigation. Each experiment consists of up to 5 vials. The current opportunity will launch 60 SEM Satchel experiments on the European Automated Transfer Vehicle (ATV) mid year 2006. Deadline: December 23, 2005. For additional information about SEM Satchel, go to <http://www.wff.nasa.gov/efpo/satchel/index.html> .



Major Kaye Ebelt



Cadets Michuan Biggle, Mollie Coates, Bryce Hagen, and Amanda Shastid pose with hush house supervisor MSgt Sherman "Rusty" Maphies in the control module



Wearing protective earwear, several Senior tour members had a chance to stand in a "calm" spot during firing in the testing chamber, above. Left, the view from inside the control module.



GREAT FALLS Malmstrom Cadet Squadron Cadets Michuan Biggle, Christopher Blake, Mollie Coates, Bryce Hagen, Christopher Rice, and Amanda Shastid toured the MANG facility Nov.5. They were accompanied by squadron senior members Lieutenants Mark Reck and Rita Reck, MTWG Commander Col. Jan Van Hoven, MTWG PAO Maj. Doris Van Hoven, State Director Joe Macklin, and Skyhawks Senior Squadron Commander Capt. Tom Burton. The highlight of the tour was easily the "hush house," where a GE F-16 engine was ready to test. At right is Capt. Burton at the controls. The engine burns 45,000# of fuel per hour in burner mode.

